

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application of:

Applicant(s): Philippe LECLAIR

Serial No.: 10/517,026

Conf. No.: Not yet assigned

Filed: December 7, 2004

For: METHOD FOR DECODING  
LINEAR SPACE-TIME CODES)  
IN A MULTIPLE-ANTENNA )  
WIRELESS TRANSMISSION )  
SYSTEM AND DECODER... )

Art Unit: Not yet assigned

Examiner: Not yet assigned

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Mail Stop Amendment; Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date:

6/8/05  
Date Attorney for Applicant(s)  
Registration No. 31,497

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of foreign patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art. A translated abstract and a copy of a Search report from a corresponding French application are enclosed.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

GREER, BURNS &amp; CRAIN, LTD.

300 South Wacker Drive – Suite 2500  
Chicago, Illinois 60606  
Telephone: (312) 360-0080  
Facsimile: (312) 360-9315  
Customer Number 24978

By:

Lawrence J. Crain  
Registration No. 31,497

Form PTO-1449 U.S. Department of Commerce  
(Rev. 8-88) Patent and Trademark Office

Attorney Docket No.: 1606.72114

Serial No.: 10/517,026

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Philippe LECLAIR

Filing Date: December 7, 2004

Group: Unassigned

#### U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,177,357	Dec. 4, 1979	Mayer			
	6,002,996	Dec. 14, 1999	Burks et al.			
	6,178,196	Jan. 23, 2001	Naguib et al.			

#### FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	2 730 080	Aug. 2, 1996	France			ABS	

#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Golden, G.D. et al. <i>Detection algorithm and initial laboratory results using laboratory results using V-BLAST space-time communication architecture</i> . Electronics Letters, Vol. 35, No. 1, January 7, 1999, 2pp.
	Damen, O. et al. <i>Lattice Code Decoder for Space-Time Codes</i> . IEEE Communications Letters, Vol. 4, No. 5, May 2000, pp 161-163.

Examiner

Date Considered

\*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.